This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

CIP/PUT NATIONAL/PLAP

FOR PATENT API

CIP/PCT NATIONAL/PLAT

ORIGINAL/SUBSTITUTE/SUPPLI

NTAL

FOR PATENT API

FOR PATENT API

IN THE UNITED STATES PATENT AI

Solies a below named inventor, I hereby decase that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED T1R Hetero-Oligomeric Taste Receptors and Cell Lines That Express Said Receptors and UseThereof for Identification of Taste Compounds

		1504 1: 11 50450			
the X	specification of which (Ch	<u>IECK applicable BOX(ES)</u>			
BOX(ES) →			s U.S. Application No.		
→ →		International Application	No. PCT/ /	on	
	to U.S. or PCT application	on) was amended on nd the contents of the above identific	ed specification, including the	laims, as amended by any	amendment referred to
above. I acknowle	dge the duty to disclose all inf	formation known to me to be material	to patentability as defined in	37 C.F.R. 1.56. Except as	noted below, I hereby claim
foreign priority ben	efits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign applicatio country than the United States, listed	n(s) for patent or inventor's ce	rtificate, or 365(a) of any P	CT International
certificate, or PCT	lesignated at least one other (International Application, filed	by me or my assignee disclosing the	subject matter claimed in this	application and having a f	iling date (1) before that of
) if no priority claimed, before the filin			
PRIOR FORFIG	N APPLICATION(S)		Date first Laid-	Date Patented	
Number	Country	Day/MONTH/Year Filed	open or Published	or Granted	Priority NOT Claimed
	 _				
•					
		priority benefit under 35 U.S.C. 119		indicated Linited States an	olications listed below and
		elow and, if this is a continuation-in-p			
		prior applications, I acknowledge th			
defined in 37 C.F.F application:	R. 1.56 which became availab	le between the filing date of each su	ch prior application and the na	tional or PC1 international	filing date of this
				_	
		SIONAL AND/OR PCT APPLIC		Status	Priority NOT Claimed
60/300,434	(series code/serial no.)	Day/MONTH/Year File 26 June 2001	ed pending,	abandoned, patented pending	<u>.</u>
09/897,427		3 July 2001		pending	
60/304,749		13 July 2001		pending	
60/310,493		8 August 2001		pending	
60/331,771 60/339,472		21 November 2001 14 December 2001		pending	
10/035,045		3 January 2002		pending pending	
60/372,090		15 April 2002		pending	
60/374,143		22 April 2002		pending	
		i of my own knowledge are true and t e knowledge that willful false stateme			
		de and that such willful false stateme			
		tellectual Property Group, telephone : PTO Customer No. 909 (see below in			
transact all busines	ss in the Patent and Tradema	rk Office connected therewith and wi	th the resulting patent, and I he	ereby authorize them to de	lete from that Customer No.
		ld new persons of their Firm to that C			
		who/which first sends/sent this case of the above Firm and/or an attorney			consented after rull
		1 11911 11 111 11 11	ITEM CO MO SUUL LICEL		
USE C	NLY FOR				
	Y WINTHROP				
	7 . 0	009	909		
	$/hI^{\prime}$. .	7/12/	7_
Mark	, /w p		Date:	111011	
Name	Mark	<u> </u>	Zoller		
	First	Middle Initial		Family Name	
Residence	San Diego	California		USA	
	City		State/Foreign Country	Cou	ntry of Citizenship
Mailing Address	5725 Dolphin Place	e La Jolla CA			4
		5, 25 55.15, 57.1	······································	******	
(include Zip Cod	le) 92037	T 1			
(2) INVENTOR'S	S SIGNATURE:	LX Z;	Date:	7/12/02	
	i	0 ~ 1	· · · · · · · · · · · · · · · · · · ·		
Name	Xiaodong	6.67.4.01 1	Li	F 7. W.	
	First	Middle Initial		Family Name	
Residence	San Diego	California		China	
	City		State/Foreign Country	Cou	ntry of Citizenship
Mailing Address	3435 Waco St., Ap	t. 3, San Diego, CA			
(include Zip Cod	le) 92117			_	
		·			· · · · · · · · · · · · · · · · · · ·
		RS see attached page.			
☐ See additi	ional foreign priorities	s on attached page (incorp	porated herein by refe	erence).	
				kt. No. P291566	
70707588 1			•	i.i.	

(continued)

ADDITIONAL INVENTORS:

(3) INVENTOR'S	S SIGNATURE:	peur fige	0000	Date: 01	-/11/02
	Lena			Staszewski	
		First	Middle Initial		Family Name
Residence	San Diego		California		Sweden
		City	State	e/Foreign Country	Country of Citizenship
Mailing Address		8270 Calle Nueva, San	Diego, CA		
(include Zip Cod	le)	92126			
	•				
(4) INVENTOR'S	S SIGNATURE:			Date:	
	Shawn	. <u></u> <u></u>		O'Connell	·
First		First	Middle Initial		
Residence	Encinitas		California		USA
		City	State	e/Foreign Country	Country of Citizenship
Mailing Address		417 Vilage Run East, E	ncinitas, CA		
(include Zip Cod	ie)	92024]		
(S) INVENTOR	C CIGNATURE.			Date:	
(5) INVENTOR'S	T	· · ·		Date:	
	Sergey	First	Middle Initial	Zozulya	Samily Name
Residence	San Diego	1 113(California		Family Name
i vesidelles	Jan Diego	City		e/Foreign Country	Russia Country of Citizenship
Mailing Address				er oreign country	Country of Citizenship
Mailing Address		14481 Yazoo Street, S	an Diego, CA		
(include Zip Cod	ie)	92129	J		
(6) INVENTOR'S	S SIGNATURE:			Date:	•
	Jon		Elliot	Adler	· · · · · · · · · · · · · · · · · · ·
		First	Middle Initial		Family Name
Residence	San Diego		California		USA
Residence	San Diego	City		e/Foreign Country	*
Residence Mailing Address		r	Stat		USA Country of Citizenship
		City 1099 Turquoise Street, 92109	Stat		*
Mailing Address (include Zip Cod	le)	1099 Turquoise Street,	Stat	o, CA	Country of Citizenship
Mailing Address	le)	1099 Turquoise Street,	Stat	o, CA	*
Mailing Address (include Zip Cod	le)	1099 Turquoise Street, 92109	Stat	o, CA	Country of Citizenship
Mailing Address (include Zip Cod (7) INVENTOR's	s SIGNATURE:	1099 Turquoise Street,	Stat	o, CA Date: 7	Country of Citizenship
Mailing Address (include Zip Cod	de) S SIGNATURE:	1099 Turquoise Street, 92109 First	State Apt. 15, San Dieg Middle Initial California	o, CA Date: 7	Country of Citizenship -// - 0 Z Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence	S SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City	Stat Apt. 15, San Dieg Middle Initial California Stat	o, CA Date: 7	Country of Citizenship -// - 0 Z Family Name
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address	s SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San	Stat Apt. 15, San Dieg Middle Initial California Stat	o, CA Date: 7	Country of Citizenship -// - 0 Z Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence	s SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City	Stat Apt. 15, San Dieg Middle Initial California Stat	o, CA Date: 7	Country of Citizenship -// - 0 Z Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR's Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130	Stat Apt. 15, San Dieg Middle Initial California Stat Diego, CA	o, CA Date: 7 Xu Foreign Country	Country of Citizenship -// - O Z Family Name USA Country of Citizenship
Mailing Address (include Zip Cod (7) INVENTOR's Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130	Stat Apt. 15, San Dieg Middle Initial California Stat	Date: 7 Xu ExForeign Country Date: 7-	Country of Citizenship -// - 0 Z Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR's Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130	Middle Initial California Stat Diego, CA	o, CA Date: 7 Xu Foreign Country	Country of Citizenship -// - 0 Z Family Name USA Country of Citizenship
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S	S SIGNATURE: Hong San Diego Je) S SIGNATURE: Fernando	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130	Middle Initial California Stat Diego, CA Middle Initial	Date: 7 Xu ExForeign Country Date: 7-	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name
Mailing Address (include Zip Cod (7) INVENTOR's Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First	Middle Initial California Stat Middle Initial California California California	Date: 7 Xu Date: 7	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence	S SIGNATURE: Hong San Diego de) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu Date: 7 Application Date: 7- Echeverri Date: 7- E	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence	S SIGNATURE: Hong San Diego de) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu Date: 7 Application Date: 7- Echeverri Date: 7- E	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence	S SIGNATURE: Hong San Diego de) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu Date: 7 Application Date: 7- Echeverri Date: 7- E	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence	S SIGNATURE: Hong San Diego Se) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego Se) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu Date: 7 Application Date: 7- Echeverri Date: 7- E	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego Se) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri 91913	Middle Initial California Stat Diego, CA Middle Initial California Stat Ve, Chula Vista, Co	Date: 7 Xu	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA Country of Citizenship
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence Mailing Address (include Zip Cod	S SIGNATURE: Hong San Diego Se) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri	Middle Initial California State Middle Initial California State Middle Initial California State State Middle Initial	Date: 7 Xu	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA
Mailing Address (include Zip Cod (7) INVENTOR'S Residence Mailing Address (include Zip Cod (8) INVENTOR'S Residence Mailing Address (include Zip Cod (9) INVENTOR'S	S SIGNATURE: Hong San Diego Se) S SIGNATURE: Fernando Chula Vista	1099 Turquoise Street, 92109 First City 3955 Via Holgura, San 92130 First City 2116 E Northshore Dri 91913	Middle Initial California Stat Diego, CA Middle Initial California Stat Ve, Chula Vista, Co	Date: 7 Xu	Country of Citizenship -// - O Z Family Name USA Country of Citizenship -// - O L Family Name USA Country of Citizenship

30297588_1

(include Zip Code)

PAT-116CN 6/01

(continued)
ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE: Lena Staszewski First Middle Initial Family Name Residence San Diego California Sweden City State/Foreign Country Country of Citizenship Mailing Address 8270 Calle Nueva, San Diego, CA 92126 (Include Zip Code) (4) INVENTOR'S SIGNATURE: Date: Shawn O'Connell First Middle Initial Family Name Residence **Encinitas** California USA City State/Foreign Country Country of Citizenship Mailing Address 417 Vilage Run East, Encinitas, CA (include Zip Code) 92024 (5) INVENTOR'S SIGNATURE: Date: Sergey Zozulya First Middle Initial Family Name Residence San Diego California Russia City State/Foreign Country Country of Citizenship Mailing Address 14481 Yazoo Street, San Diego, CA (Include Zip Code) 92129 (6) INVENTOR'S SIGNATURE: Date: Jon Elllot Adler First Middle Initial Family Name San Diego Residence California USA State/Foreign Country Country of Citizenship Mailing Address 1099 Turquoise Street, Apt. 15, San Diego, CA (Include Zip Code) 92109 (7) INVENTOR'S SIGNATURE: Date: Hong Χu First. Middle Initial Family Name Residence San Diego California USA City State/Foreign Country Country of Citizenship Mailing Address 3955 Via Holgura, San Diego, CA (include Zip Code) 92130 (8) INVENTOR'S SIGNATURE: Date: Fernando Echeverri First Middle Initial Family Name Residence Chula Vista California USA City State/Foreign Country Country of Citizenship Mailing Address 2116 E Northshore Drive, Chula Vista, CA (include Zip Code) 91913 (9) INVENTOR'S SIGNATURE: First Middle Initial Family Name Residence City State/Foreign Country Country of Citizenship Mailing Address

(Include Zip Code)

(3) INVENTOR'S SIGNATURE: Staszewski Lena Middle Initial Family Name First Sweden California San Diego Residence Country of Citizenship State/Foreign Country. City 8270 Calle Nueva, San Diego, CA Mailing Address 92126 (include Zip Code) (4) INVENTOR'S SIGNATURE: Date: O'Connell Shawn Family Name Middle Initial First USA California **Encinitas** Residence Country of Citizenship State/Foreign Country City 417 Vilage Run East, Encinitas, CA Mailing Address 92024 (include Zip Code) 07/12/02 Date: (5) INVENTOR'S SIGNATURE: Zozulya Sergey Family Name Middle Initial -:::... First Russia California Residence San Diego State/Foreign Country Country of Citizenship 14481 Yazoo Street, San Diego, CA Mailing Address 92129 (include Zip Code) Date: (6) INVENTOR'S SIGNATURE: Adler Ellict Middle Initial Family Name First USA California San Diego Residence Country of Citizenship State/Foreign Country City 1099 Turquoise Street, Apt. 15, San Diego, CA Mailing Address 92109 (Include Zip Code) Date: (7) INVENTOR'S SIGNATURE: Χu Hong Family Name Middle Initial: First USA San Diego California Residence State/Foreign Country Country of Citizenship 3955 Vla Holgura, San Diego, CA Mailing Address (include Zip Code) 92130 Date: (8) INVENTOR'S SIGNATURE: Echeverri Femando Family Name Middle Initial First : USA California Chula Vista Residence Country of Citizenship State/Foreign Country City 2116 E Northshore Drive, Chula Vista, CA Mailing Address 91913 (include Zip Code) (9) INVENTOR'S SIGNATURE: Date: Middle (nitial: Family Name First Residence Country of Citizenship State/Foreign Country City Mailing Address

(Include Zip Code)



COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE P.O. Box 1450 ALEXANDRIA, VA 22313-1450 www.uspto.gov

Paper No. 10

CROWELL & MORING, L.L.P.
INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300

COPY MAILED AUG 1 5 2003

OFFICE OF PETITIONS

In re Application of Mark Zoller, Xiacdong Li, Lena Staszewski, Shawn O'Connell, Sergey Zozulya, Jon Adler, Hong Xu and Fernando Echeverri Application No.10/179,373 Filed: June 26, 2002 Attorney Docket Number: P 0291566
Title of Invention: T1R
HETERO-OLIGOMERIC TASTE RECEPTORS:
AND CELL LINES THAT EXPRESS SAID
RECEPTORS AND USE THEREOF FOR
IDENTIFICATION OF TASTE COMPOUNDS:

DECISION ACCORDING STATUS UNDER 37 CFR 1.47(a)

#54074 US

This is in response to the renewed petition under 37 CFR 1.47(a), filed July 23, 2003.

The petition is **GRANTED**.

Petitioner has shown that the non-signing inventor has refused to join in the filing of the above-identified application after having been presented with the application papers. Specifically, the declaration of Robin Teskin attest a copy of the application was sent to non-signing inventor's last known address and non-signing inventor's legal representative. Additional attempts to contact the non-signing inventors went unanswered. The non-signing inventor's failure to respond to the application sufficiently establishes that he refuses to execute the application papers.

The above-identified application and papers have been reviewed and found in compliance with 37 CFR 1.47(a). This application is hereby accorded Rule 1.47(a) status.

As provided in Rule 1.47(c), this Office will forward notice of this application's filing to the non-signing inventor at the address given in the petition. Notice of the filing of this application will also be published in the Official Gazette.

This application is being forwarded to the Office of Initial Patent Examination for further processing.

Telephone inquiries related to this decision may be directed to the undersigned at (703). 306-0251.

-R. Huf Charlema R. Grant Petitions Attorney

Office of Petitions



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
P.O. BOX I 450
ALEXANDRIA, VA 22313-1450
www.uspto.gov

Dr. Jon Elliot Adler 1099 Turquoise Street Apt. 15 San Diego, CA 92122

In re Application of
Mark Zoller, Xiaodong Li, Lena Staszewski,
Shawn O'Connell, Sergey Zozulya, Jon Adler,
Hong Xu and Fernando Echeverri
Application No.10/179,373
Filed: June 26, 2002
Attorney Docket Number: P 0291566
Title of Invention: T1R
HETERO-OLIGOMERIC TASTE RECEPTORS:
AND CELL LINES THAT EXPRESS SAID
RECEPTORS AND USE THEREOF FOR
IDENTIFICATION OF TASTE COMPOUNDS

COPY MAILED

AUG 1 5 2003

LETTER

OFFICE OF PETITIONS

Dear Dr. Adler:

You are named as a joint inventor in the above-identified United States patent application filed under the provisions of 35 U.S.C. § 116 (United States Code) and 37 C.F.R. § 1.47(a), Rules of Practice in Patent Cases. Should a patent be granted on the application you will be designated therein as a joint inventor.

As a named inventor you are entitled to inspect any paper in the file wrapper of the application, order copies of all or any part thereof (at a prepaid cost as per 37 C.F.R. § 1.19) or make your position of record in the application. Alternatively, you may arrange to do any of the preceding through a registered patent attorney or agent presenting written authorization from you. If you care to join the application, counsel of record (see below) would presumably assist you. Joining in the application would entail the filing of an appropriate oath or declaration by you pursuant to 37 C.F.R. § 1.63.

Telephone inquiries regarding this communication should be directed to Petitions Attorney Charlema R. Grant at (703) 306-0251. Requests for information regarding your application should be directed to the File Information Unit at (703) 308-2733. Information regarding how to pay for and order a copy of the application, or a specific paper in the application, should be directed to Certification Division at (703) 308-9726 or 1-800-972-6382 (outside the Washington D.C. area).

Charlema R. Grant Petitions Attorney Office of Petitions

Robin Teskin CROWELL & MORING, L.L.P. INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON DC 20044-4300

cc: Marilynn Mika Spenser